



SOLUNA VENUS 16K-20



51.2 V Battery
Voltage



≥ 8000 Cycle



Compatible with
most Inverters



Built in Wi-Fi



RESIDENTIAL AND SMALL COMMERCIAL ENERGY STORAGE

SOLUNA Venus 16K-20

TECHNICAL SPECIFICATION

PHYSICAL CHARACTERISTICS

Height (mm)	850
Width (mm)	545
Depth (mm)	220
Weight (kg)	127
Installation	Floor-stand/Wall-mounted

ELECTRICAL CHARACTERISTICS

Battery type	LFP
Total Energy Capacity (kWh)	16.07
Usable Energy Capacity (kWh)	14.46
Nominal capacity (Ah)	314
Nominal voltage (V)	51.2
Voltage range (usable) (V)	44.8 to 56.8
Charge/Discharge Current (A)	150
Charge/Discharge Power (KW)	7.68
Max.Charge/Discharge Current (A)	160/220
Max.Charge/Discharge Power (KW)	8.2/11.2
Recommend Depth of Discharge (%)	80
Max Depth of Discharge (%)	90
Cycle life@ 25°C(under standard charge and discharge conditions)	≥8000
DC Disconnect	Contactor / Fuse

BMS

Monitoring parameters	System voltage System current Cell voltage Cell temperature SOC SOH CAN
Communication	

OPERATING CONDITIONS

Operating temperature (°C)	-10 to 50
Operating temperature(recommended) (°C)	15 to 30
Storage temperature (recommended)(°C)	-20 to 60
Humidity conditions(%)	5 to 95
Altitude(m)	Max. 2,000
Cooling strategy	Natural convection

RELIABILITY AND CERTIFICATION

Certification	TBD
Transportation	UN38.3
Ingress protection rating	IP 20

WARRANTY

Product and performance	10-year standard warranty
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KEY FEATURES



Safest Life PO₄ Battery



Extendable Upto 480kwh



IP 20 Ingress Protection



Compatible with most Inverters



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Built in Communication Cables



Wall Mount & Floor Mount



10 Years Warranty



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